

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/589, 255
Source: TEWD
Date Processed by STIC: 04/04/2007

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/589, 255

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. **Do not use tab codes between numbers; use space characters**, instead.

4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences
(OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 Skipped Sequences
(NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules

12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/589,255

DATE: 04/05/2007
TIME: 07:48:16

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\04052007\J589255.raw

3 <110> APPLICANT: Japan Science and Technology Agency
5 <120> TITLE OF INVENTION: Probe for detection of nuclear receptor agonist/antagonist
and method for

6 screening agonist and antagonist using the same
8 <130> FILE REFERENCE: 04F055PCT
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/589,255
C--> 10 <141> CURRENT FILING DATE: 2007-01-18
10 <150> PRIOR APPLICATION NUMBER: JP 2004-35678
11 <151> PRIOR FILING DATE: 2004-02-12
13 <160> NUMBER OF SEQ ID NOS: 11
15 <170> SOFTWARE: PatentIn version 3.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 5
19 <212> TYPE: PRT
20 <213> ORGANISM: Unknown
22 <220> FEATURE:
23 <223> OTHER INFORMATION: any amino acid
25 <220> FEATURE:
26 <221> NAME/KEY: MISC_FEATURE
27 <222> LOCATION: (2)..(3)
28 <223> OTHER INFORMATION: any amino acid
31 <400> SEQUENCE: 1

W--> 33 Leu Xaa Xaa Leu Leu

34 1 5
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 11
39 <212> TYPE: PRT
40 <213> ORGANISM: Homo sapiens
42 <300> PUBLICATION INFORMATION:
43 <308> DATABASE ACCESSION NO: GeneBank/NP_671766
44 <309> DATABASE ENTRY DATE: 2003-12-22
45 <313> RELEVANT RESIDUES: (687)..(697)
47 <400> SEQUENCE: 2

49 His Lys Ile Leu His Arg Leu Leu Gln Glu Gly

50 1 5 10

53 <210> SEQ ID NO: 3
54 <211> LENGTH: 239
55 <212> TYPE: PRT
56 <213> ORGANISM: Artificial
58 <220> FEATURE:
59 <223> OTHER INFORMATION: synthesized polypeptide
61 <300> PUBLICATION INFORMATION:
62 <308> DATABASE ACCESSION NO: GeneBank/GAG11884
63 <309> DATABASE ENTRY DATE: 2003-05-21

Does Not Comply
Corrected Diskette Needed
(pg-1,2)

if 2213? Responses
is Unknown or Artificial,
pls explain the source
of genetic material.
see Item 11 on Error
summary sheet.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/589,255

DATE: 04/05/2007

TIME: 07:48:16

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04052007\J589255.raw

64 <313> RELEVANT RESIDUES: (1)..(238)
 66 <400> SEQUENCE: 3
 68 Met Val Ser Lys Gly Glu Glu Leu Phe Thr Gly Val Val Pro Ile Leu
 69 1 5 10 15
 72 Val Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly
 73 20 25 30
 76 Glu Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile
 77 35 40 45
 80 Cys Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr
 81 50 55 60
 84 Leu Thr Trp Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys
 85 65 70 75 80
 88 Gln His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu
 89 85 90 95
 92 Arg Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu
 93 100 105 110
 96 Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly
 97 115 120 125
 100 Ile Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr
 101 130 135 140
 104 Asn Tyr Ile Ser His Asn Val Tyr Ile Thr Ala Asp Lys Gln Lys Asn
 105 145 150 155 160
 108 Gly Ile Lys Ala Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser
 109 165 170 175
 112 Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly
 113 180 185 190
 116 Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser Tyr Gln Ser Ala Leu
 117 195 200 205
 120 Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe
 121 210 215 220
 124 Val Thr Ala Ala Gly Ile Thr Leu Gly Met Asp Glu Leu Tyr Lys
 125 225 230 235
 128 <210> SEQ ID NO: 4
 129 <211> LENGTH: 248
 130 <212> TYPE: PRT
 131 <213> ORGANISM: *unknown* → *Same Error*
 133 <220> FEATURE:
 134 <223> OTHER INFORMATION: Artificial Sequence
 136 <300> PUBLICATION INFORMATION:
 137 <308> DATABASE ACCESSION NO: GeneBank/AAQ93355
 138 <309> DATABASE ENTRY DATE: 2003-10-12
 139 <313> RELEVANT RESIDUES: (1)..(238)
 141 <400> SEQUENCE: 4
 143 Met Val Ser Lys Gly Glu Glu Leu Phe Thr Gly Val Val Pro Ile Leu
 144 1 5 10 15
 147 Val Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly
 148 20 25 30
 151 Glu Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile
 152 35 40 45

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/589,255

DATE: 04/05/2007
TIME: 07:48:16

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\04052007\J589255.raw

155 Cys Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr
156 50 55 60
159 Phe Gly Tyr Gly Leu Gln Cys Phe Ala Arg Tyr Pro Asp His Met Lys
160 65 70 75 80
163 Gln His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu
164 85 90 95
167 Arg Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu
168 100 105 110
171 Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly
172 115 120 125
175 Ile Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr
176 130 135 140
179 Asn Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn
180 145 150 155 160
183 Gly Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser
184 165 170 175
187 Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly
188 180 185 190
191 Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser Tyr Gln Ser Ala Leu
192 195 200 205
195 Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe
196 210 215 220
199 Val Thr Ala Ala Gly Ile Thr Leu Gly Met Asp Glu Leu Tyr Lys Ser
200 225 230 235 240
203 Gly Leu Arg Ser Thr Gly Ser Arg
204 245
207 <210> SEQ ID NO: 5
208 <211> LENGTH: 246
209 <212> TYPE: PRT
210 <213> ORGANISM: Homo sapiens
212 <220> FEATURE:
213 <223> OTHER INFORMATION: part of a eucaryotic protein
215 <300> PUBLICATION INFORMATION:
216 <308> DATABASE ACCESSION NO: GeneBank/NP_036821
217 <309> DATABASE ENTRY DATE: 2004-01-23
218 <313> RELEVANT RESIDUES: (305)..(550)
220 <400> SEQUENCE: 5
222 His Thr Lys Lys Asn Ser Pro Ala Leu Ser Leu Thr Ala Asp Gln Met
223 1 5 10 15
226 Val Ser Ala Leu Leu Asp Ala Glu Pro Pro Leu Ile Tyr Ser Glu Tyr
227 20 25 30
230 Asp Pro Ser Arg Pro Phe Ser Glu Ala Ser Met Met Gly Leu Leu Thr
231 35 40 45
234 Asn Leu Ala Asp Arg Glu Leu Val His Met Ile Asn Trp Ala Lys Arg
235 50 55 60
238 Val Pro Gly Phe Gly Asp Leu Asn Leu His Asp Gln Val His Leu Leu
239 65 70 75 80
242 Glu Cys Ala Trp Leu Glu Ile Leu Met Ile Gly Leu Val Trp Arg Ser
243 85 90 95

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/589,255

DATE: 04/05/2007

TIME: 07:48:16

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04052007\J589255.raw

246 Met Glu His Pro Gly Lys Leu Leu Phe Ala Pro Asn Leu Leu Leu Asp
 247 100 105 110
 250 Arg Asn Gln Gly Lys Cys Val Glu Gly Met Val Glu Ile Phe Asp Met
 251 115 120 125
 254 Leu Leu Ala Thr Ser Ser Arg Phe Arg Met Met Asn Leu Gln Gly Glu
 255 130 135 140
 258 Glu Phe Val Cys Leu Lys Ser Ile Ile Leu Leu Asn Ser Gly Val Tyr
 259 145 150 155 160
 262 Thr Phe Leu Ser Ser Thr Leu Lys Ser Leu Glu Glu Lys Asp His Ile
 263 165 170 175
 266 His Arg Val Leu Asp Lys Ile Asn Asp Thr Leu Ile His Leu Met Ala
 267 180 185 190
 270 Lys Ala Gly Leu Thr Leu Gln Gln His Arg Arg Leu Ala Gln Leu
 271 195 200 205
 274 Leu Leu Ile Leu Ser His Ile Arg His Met Ser Asn Lys Gly Met Glu
 275 210 215 220
 278 His Leu Tyr Asn Met Lys Cys Lys Asn Val Val Pro Leu Tyr Asp Leu
 279 225 230 235 240
 282 Leu Leu Glu Met Leu Asp
 283 245
 286 <210> SEQ ID NO: 6
 287 <211> LENGTH: 5
 288 <212> TYPE: PRT
 289 <213> ORGANISM: Artificial
 291 <220> FEATURE:
 292 <223> OTHER INFORMATION: synthesized oligopeptide
 294 <400> SEQUENCE: 6
 296 Gly Gly Asn Gly Gly
 297 1 5
 300 <210> SEQ ID NO: 7
 301 <211> LENGTH: 11
 302 <212> TYPE: PRT
 303 <213> ORGANISM: Artificial
 305 <220> FEATURE:
 306 <223> OTHER INFORMATION: synthesized oligopeptide
 308 <400> SEQUENCE: 7
 310 His Lys Ile Ala His Arg Ala Ala Gln Glu Gly
 311 1 5 10
 314 <210> SEQ ID NO: 8
 315 <211> LENGTH: 271
 316 <212> TYPE: PRT
 317 <213> ORGANISM: Homo sapiens
 319 <220> FEATURE:
 320 <223> OTHER INFORMATION: part of a eucaryotic protein
 322 <300> PUBLICATION INFORMATION:
 323 <308> DATABASE ACCESSION NO: GenBank/NM_015869
 324 <309> DATABASE ENTRY DATE: 1996-11-04
 325 <313> RELEVANT RESIDUES: (235)..(505)
 327 <400> SEQUENCE: 8

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/589,255

DATE: 04/05/2007
TIME: 07:48:16

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\04052007\J589255.raw

329 Glu Ser Ala Asp Leu Arg Ala Leu Ala Lys His Leu Tyr Asp Ser Tyr
 330 1 5 10 15
 333 Ile Lys Ser Phe Pro Leu Thr Lys Ala Lys Ala Arg Ala Ile Leu Thr
 334 20 25 30
 337 Gly Lys Thr Thr Asp Lys Ser Pro Phe Val Ile Tyr Asp Met Asn Ser
 338 35 40 45
 341 Leu Met Met Gly Glu Asp Lys Ile Lys Phe Lys His Ile Thr Pro Leu
 342 50 55 60
 345 Gln Glu Gln Ser Lys Glu Val Ala Ile Arg Ile Phe Gln Gly Cys Gln
 346 65 70 75 80
 349 Phe Arg Ser Val Glu Ala Val Gln Glu Ile Thr Glu Tyr Ala Lys Ser
 350 85 90 95
 353 Ile Pro Gly Phe Val Asn Leu Asp Leu Asn Asp Gln Val Thr Leu Leu
 354 100 105 110
 357 Lys Tyr Gly Val His Glu Ile Ile Tyr Thr Met Leu Ala Ser Leu Met
 358 115 120 125
 361 Asn Lys Asp Gly Val Leu Ile Ser Glu Gly Gln Gly Phe Met Thr Arg
 362 130 135 140
 365 Glu Phe Leu Lys Ser Leu Arg Lys Prc Phe Gly Asp Phe Met Glu Pro
 366 145 150 155 160
 369 Lys Phe Glu Phe Ala Val Lys Phe Asn Ala Leu Glu Leu Asp Asp Ser
 370 165 170 175
 373 Asp Leu Ala Ile Phe Ile Ala Val Ile Ile Leu Ser Gly Asp Arg Pro
 374 180 185 190
 377 Gly Leu Leu Asn Val Lys Pro Ile Glu Asp Ile Gln Asp Asn Leu Leu
 378 195 200 205
 381 Gln Ala Leu Glu Leu Gln Leu Lys Leu Asn His Pro Glu Ser Ser Gln
 382 210 215 220
 385 Leu Phe Ala Lys Leu Leu Gln Lys Met Thr Asp Leu Arg Gln Ile Val
 386 225 230 235 240
 389 Thr Glu His Val Gln Leu Leu Gln Val Ile Lys Lys Thr Glu Thr Asp
 390 245 250 255
 393 Met Ser Leu His Pro Leu Leu Gln Glu Ile Tyr Lys Asp Leu Tyr
 394 260 265 270
 397 <210> SEQ ID NO: 9
 398 <211> LENGTH: 30
 399 <212> TYPE: PRT
 400 <213> ORGANISM: Artificial
 402 <220> FEATURE:
 403 <223> OTHER INFORMATION: synthesized oligopeptide
 405 <400> SEQUENCE: 9
 407 Gly Gly Asn Gly Gly Gly Asn Gly Gly Gly Asn Gly Gly Gly
 408 1 5 10 15
 410 Gly Asn Gly Gly Gly Asn Gly Gly Gly Asn Gly Gly
 411 20 25 30
 414 <210> SEQ ID NO: 10
 415 <211> LENGTH: 239
 416 <212> TYPE: PRT
 417 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/05/2007
PATENT APPLICATION: US/10/589,255 TIME: 07:48:17

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\04052007\J589255.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seg#: 3, 6, 7, 9, 11

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/589,255

DATE: 04/05/2007

TIME: 07:48:17

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04052007\J589255.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0